

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Costa, *et al.*

Attorney Docket No.: EX03-050C-US

Application No.: 10/520,836

Filed: January 7, 2005

For: RABS AS MODIFIERS OF THE P53  
PATHWAY AND METHODS OF USE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with 37 CFR §1.56, this Information Disclosure Statement is being submitted for the above-referenced application.

Applicant notes that citation numbers 1, 2, and 43 in this Information Disclosure Statement in the attached PTO Form 1449 was first cited in the International Search Report (copy attached) from the International Searching Authority in the counterpart PCT application.

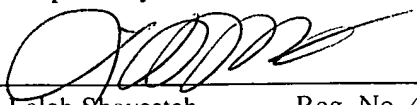
In accordance with §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 CFR §1.56 exists.

In accordance with §1.97(h), the disclosure contained herein is not intended to constitute an admission that any patent, publication, or other information referred to is "prior art" or "analogous art" for this invention.

It is believed that no fees are required for the submission of this disclosure. However, if this belief is in error, the Commissioner is authorized to charge any required fees for consideration of this paper or any other papers filed herewith to deposit account no. 50-1108.

Respectfully submitted,

Dated: March 18, 2005

  
\_\_\_\_\_  
Laleh Shayesteh      Reg. No. 47,937  
Tel: (650) 837-8223; Fax: (650) 837-8234

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Costa *et al.*  
Application No.: 10/520,836  
Filed: January 7, 2005  
For: RABS AS MODIFIERS OF THE P53  
PATHWAY AND METHODS OF  
USE

Confirmation No.:  
Art Unit: Not yet assigned  
Examiner: Not yet assigned  
Attorney Docket No.: EX03-050C-US

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

The GENESEQ® database was queried to identify sequences that are identical or related to the sequences recited in the claims of the above-referenced patent application. The following patent publications were identified:


WO 00/55180, Ruben, Steven M., et al., January 18, 2001  
WO 01/88188, Ishikawa, Koichi, et al., November 22, 2001  
WO 01/05970, Yue, Henry, et al., January 25, 2001  
WO 01/57190, Tang, Y., Tom, et al., August 9, 2001  
WO 00/58464, Allen, Maxine, et al., October 5, 2000  
WO 00/52165, Lodes, Michael J., et al., September 8, 2000  
CA 2200794, Fraser, Paul E., et al., September 24, 1998  
WO 01/53312, Tang, Y., Tom, et al., June 20, 2002  
EP 1074617, Ota, Toshio, et al., April 21, 2004  
WO 98/18942, Bandman, Olga, et al., May 7, 1998  
US 5869291, Hillman, Jennifer L., et al., February 9, 1999  
US 2002/0065229 A1, Davis, et al., May 30, 2002

The above-references have not been reviewed to assess whether they are material to the patentability of the claimed invention; nor have they been reviewed to assess whether they are substantively cumulative to the disclosures of the references cited in and provided with the "Information Disclosure Statement by Applicant" filed simultaneously herewith.

Upon request, Applicants will gladly obtain copies of any of these references and forward them to the Examiner for consideration.

Respectfully submitted,

Dated: March 18, 2005

  
\_\_\_\_\_  
Laleh Shayesteh      Reg. No. 47,937  
Tel: (650) 837-8223; Fax: (650) 837-8234

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

<i>Application Number</i>	10/520,836
<i>Filing Date</i>	January 7, 2005
<i>First Named Inventor</i>	Costa
<i>Art Unit</i>	Not yet assigned
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	EX03-050C-US

Sheet	1	of	5
-------	---	----	---

[illegible][illegible]

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 5

**Complete if Known**

Application Number	10/520,836
Filing Date	January 7, 2005
First Named Inventor	Costa
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EX03-050C-US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	3	CROIZET-BERGER, K., et al., "Homo sapiens RAB7, member RAS oncogene family (RAB7), mRNA." Genbank GI No. 20070112 [online], 06-APR-2003 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	4	CHIARIELLO, M., et al., "Homo sapiens RAB7, member RAS oncogene family (RAB7), mRNA." Genbank GI No. 13794266 [online], 10-DEC-2001 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	5	TANIGAMI, A., et al., "Homo sapiens cDNA FLJ20819 fis, clone ADSE00511." Genbank GI No. 7021139 [online], 13-SEP-2003 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	6	STRAUSBERG, R.L., et al., "Homo sapiens RAB7, member RAS oncogene family, mRNA (cDNA clone IMAGE: 3882701), partial cds." Genbank GI No. 15489250 [online], 01-APR-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	7	STRAUSBERG, R.L., et al., "Homo sapiens RAB7, member RAS oncogene family, mRNA (cDNA clone MGC:8453 IMAGE:2821435), complete cds." Genbank GI No. 14250539 [online], 10-JUN-2003 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	8	KIM, J.Y., et al., "Homo sapiens Rab7 (Rab7) gene, complete cds." Genbank GI No. 4105818 [online], 05-JAN-1999 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	9	STRAUSBERG, R.L., et al., "Homo sapiens RAB7B, member RAS oncogene family, mRNA (cDNA clone MGC:9726 IMAGE:3851998), complete cds." Genbank GI No. 16877704 [online], 06-JUL-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	10	LI, N., et al., "Homo sapiens Ras-related protein Rab-7 (RAB7) mRNA, complete cds." Genbank GI No. 20530863 [online], 12-MAY-2002 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	11	DAVIES, J.P., et al., "Homo sapiens RAB9A, member RAS oncogene family (RAB9A), mRNA." Genbank GI No. 20070189 [online], 06-APR-2003 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	12	NCBI Annotation Project, "Homo sapiens RAB9, member RAS oncogene family (RAB9), mRNA." Genbank GI No. 18595600 [online], 07-FEB-2002 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	13	STRAUSBERG, R., "Homo sapiens, RAB9, member RAS oncogene family, clone MGC:29629 IMAGE:4139714, mRNA, complete cds." Genbank GI No. 16878117 [online], 09-NOV-2001 [retrieved 1/19/05]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 5

**Complete if Known**

Application Number	10/520,836
Filing Date	January 7, 2005
First Named Inventor	Costa
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EX03-050C-US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	14	PUHL,H.L.III., et al., "Homo sapiens small GTP binding protein RAB9 (RAB9) mRNA, complete cds." Genbank GI No. 20379063 [online], 01-MAY-2002 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	15	AZUMA,T., et al., "Homo sapiens RAB9B, member RAS oncogene family (RAB9B), mRNA." Genbank GI No. 7705962 [online], 23-AUG-2004 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	16	STRAUSBERG,R.L., et al., "Homo sapiens cDNA clone IMAGE:5274429, containing frame-shift errors." Genbank GI No. 27371064 [online], 22-DEC-2004 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	17	ZHU,G., et al., "Homo sapiens RAB5A, member RAS oncogene family (RAB5A), mRNA." Genbank GI No. 19923261 [online], 06-APR-2003 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	18	STRAUSBERG,R.L., et al., "Homo sapiens RAB5A, member RAS oncogene family, mRNA (cDNA clone MGC:17504 IMAGE:3454268), complete cds." Genbank GI No. 17390677 [online], 30-JUN-2004 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	19	HAN,H.J., et al., "Homo sapiens RAB5C, member RAS oncogene family (RAB5C), mRNA." Genbank GI No. 4759019 [online], 23-DEC-2003 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	20	KAWABATA,A., et al., "Homo sapiens cDNA: FLJ21821 fis, clone HEP01311, highly similar to HSU18420 Human ras-related small GTP binding protein Rab5 (rab5) mRNA." Genbank GI No. 10437998 [online], 13-SEP-2003 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	21	ALBERTSEN,H.M., "Human Rab5c-like protein mRNA, complete cds." Genbank GI No. 508284 [online], 09-AUG-1995 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	22	WILSON,D.B., et al., "Homo sapiens RAB5B, member RAS oncogene family (RAB5B), mRNA." Genbank GI No. 4506370 [online], 07-APR-2003 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	23	XU,X., et al., "Homo sapiens DC43 mRNA, complete cds." Genbank GI No. 12006052 [online], 02-JAN-2001 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	
	24	KAUPPI,M., et al., "Homo sapiens RAB22A, member RAS oncogene family (RAB22A), mRNA." Genbank GI No. 10190713 [online], 24-APR-2003 [retrieved 1/19/05]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=nucleotide>	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 5

**Complete if Known**

Application Number	10/520,836
Filing Date	January 7, 2005
First Named Inventor	Costa
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EX03-050C-US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	25	STRAUSBERG, R.L., et al., "Homo sapiens RAB22A, member RAS oncogene family, mRNA (cDNA clone MGC:16770 IMAGE:3907891), complete cds." Genbank GI No. 16041683 [online], 29-JUN-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	26	KUSSMANN, S., et al., "Homo sapiens mRNA for GTP-binding protein RAB22A (RAB22A gene)." Genbank GI No. 10636478 [online], 03-OCT-2000 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	27	LUTCKE, A., et al., "Homo sapiens RAB17, member RAS oncogene family (RAB17), mRNA." Genbank GI No. 11967980 [online], 21-AUG-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	28	POUSTKA, A., et al., "Homo sapiens mRNA; cDNA DKFZp564M1541 (from clone DKFZp564M1541)." Genbank GI No. 12052815 [online], 22-SEP-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	29	CHEN, D., et al., "Homo sapiens RAB31, member RAS oncogene family (RAB31), mRNA." Genbank GI No. 5803130 [online], 02-NOV-2000 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	30	STRAUSBERG, R.L., et al., "Homo sapiens RAB31, member RAS oncogene family, mRNA (cDNA clone MGC:1258 IMAGE:3534853), complete cds." Genbank GI No. 12654622 [online], 29-JUN-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	31	CHEN, D., et al., "Human small GTP-binding protein rab22b mRNA, complete cds." Genbank GI No. 1457953 [online], 24-OCT-1996 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=nucleotide</a> >	
	32	CHIARIELLO, M., et al., "RAB7, member RAS oncogene family; Ras-associated protein RAB7 [Homo sapiens]." Genbank GI No. 13794267 [online], 10-DEC-2001 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	33	KIM, J.Y., et al., "Rab 7 [Homo sapiens]." Genbank GI No. 4105819 [online], 05-JAN-1999 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	34	STRAUSBERG, R.L., et al., "RAB7B protein [Homo sapiens]." Genbank GI No. 16877705 [online], 06-JUL-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	35	WALTER, M., et al., "RAB9A, member RAS oncogene family [Homo sapiens]." Genbank GI No. 4759012 [online], 27-OCT-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 5 of 5

**Complete if Known**

Application Number	10/520,836
Filing Date	January 7, 2005
First Named Inventor	Costa
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EX03-050C-US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	36	AZUMA, T., et al., "RAB9-like protein [Homo sapiens]." Genbank GI No. 7705963 [online], 23-AUG-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	37	DINNEEN, J.L., et al., "RAB5A, member RAS oncogene family [Homo sapiens]." Genbank GI No. 19923262 [online], 27-OCT-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	38	HAN, H.J., et al., "RAB5C, member RAS oncogene family; RAB, member of RAS oncogene family-like; RAB5C, member of RAS oncogene family [Homo sapiens]." Genbank GI No. 4759020 [online], 23-DEC-2003 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	39	CALLAGHAN, J., et al., "RAB5B, member RAS oncogene family [Homo sapiens]." Genbank GI No. 4506371 [online], 27-OCT-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	40	SEET, L.F., et al., "RAS-related protein RAB-22A [Homo sapiens]." Genbank GI No. 10190714 [online], 27-OCT-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	41	LUTCKE, A., et al., "RAB17, member RAS oncogene family [Homo sapiens]." Genbank GI No. 11967981 [online], 21-AUG-2004 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	42	CHEN, D., et al., "RAB31, member RAS oncogene family [Homo sapiens]." Genbank GI No. 5803131 [online], 02-NOV-2000 [retrieved 1/19/05]. Retrieved from the Internet: <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&amp;DB=protein</a> >	
	43	MIZUTA, et al., "RAB22 and RAB163/Mouse BRCA2: Proteins that Specifically Interact with the RAD51 Protein.", Proc. Natl. Acad. Sci. USA, June 1997, 6927-32, 94.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.